

8. (Amended) The wavelength-tunable cavity claimed in claim 1 wherein said first cavity is formed between a first outside face of said first section and an entry face of said reflector.

9. (Amended) The wavelength-tunable laser claimed claim 1 wherein the variation of the effective group index of said phase tuning second active section is obtained by a Franz Keldysh effect.

10. (Amended) The wavelength-tunable laser claimed in claim 1 wherein the variation of the effective group index of said phase tuning second active section is obtained by a Stark quantum confinement electro-optical effect.